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PATENT COOPER	RECEIVED
From the INTERNETIONAL SEARCHING AUTHORITY	PCT 2 4 2002
GOWLING LAFLEUR HENDERSON LLP Attn. O'Neill, T. Gary Suite 2600, 160 Elgin Street Ottawa, Ontario K1P 1C3 CANADA	NOTIFICATION OF THE NAME TO SEARCH HEPORTS OR THE DECLARATION (PCT Rule 44.1) Date of malling (day/month/year) 19/04/2002
	Date of malling (day/month/year) 19/04/2002
Applicant's or agent's file reference 08-889564W0	FOR FURTHER ACTION See paragraphs 1 and 4 below
international application No. PCT/CA 01/01671	International filing date (day/month/year) 20/11/2001
Applicant	
CEYBA INC.	
The applicant is hereby notified that the international Search Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claim When? The time limit for filing such amendments is normal international Search Report; however, for more defined by the search Report Rep	ally 2 months from the date of transmittal of the stalls, see the notes on the accompanying sheet.
For more detailed instructions, see the notes on the acco	ompanying sheet.
2. The applicant is hereby notified that no International Searc Article 17(2)(a) to that effect is transmitted herewith.	h Report will be established and that the declaration under
3. With regard to the protest against payment of (an) addition	onal fee(s) under Rule 40.2, the applicant is notified that:
	on transmitted to the international Bureau together with the steet and the decision thereon to the designated Offices.
no decision has been made yet on the protest; the app	plicant will be notified as soon as a decision is made.
4. Further action(s): The applicant is reminded of the following:	
Shortly after 18 months from the priority date, the international a If the applicant wishes to avoid or postpone publication, a notice priority claim, must reach the international Bureau as provided completion of the technical preparations for international public	e of withdrawal of the international application, or of the In Rules 90bis.1 and 90bis.3, respectively, before the
Within 19 months from the priority date, a demand for Internation wishes to postpone the entry into the national phase until 30 months.	nai preliminary examination must be filed if the applicant conths from the priority date (in some Offices even liater).
Within 20 months from the priority date, the applicant must perforbefore all designated Offices which have not been elected in the priority date or could not be elected because they are not bound	ne demand or in a later election within 19 months from the

Name and mailing address of the International Searching Authority

European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

Authorized officer

Véronique Cornudet-Henschel



These Notes are intended to give the basic instructions concerning the filing of amendments under article 19: The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative triatructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

"Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international poulication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the international Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been is filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

NOTES TO FORM PCT/ISA/220 (c ntinued)

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new:
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead f, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.



PATENT COOPERATION TREATY

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INTERNATIONAL SEARCH REPORT

12 and 44)

COPY OF PAPERS ORIGINALLY FILED

			<u> </u>
Applicant's or agent's file reference 08-889564W0	FOR FURTHER S	ee Notification of Form PCT/ISA/22	Transmittal of Internation of Search Report (20) as well as, where applicable, item 5 below.
International application No.	International filling date (day/	(month (seas)	(Fadicat) Priority Data (day/month/gas)
	1	1	(Earliest) Priority Date (day/month/year)
PCT/CA 01/01671	20/11/200	1	04/12/2000
Applicant			
CEYBA INC.			
This International Search Report has been according to Article 18. A copy is being tra			ority and is transmitted to the applicant
This International Search Report consists It is also accompanied by	of a total of3 a copy of each prior art docum		report.
Basis of the report			
 a. With regard to the language, the language in which it was filed, unl 			s of the international application in the
the International search w Authority (Rule 23,1(b)).	as carried out on the basis of a	a translation of the	e International application furnished to this
		sclosed in the inte	ernational application, the international search
l —	onal application in written form.		
filed together with the inte	ernational application in comput	ter readable form	
furnished subsequently to	this Authority in written form.	•	
furnished subsequently to	this Authority in computer read	dble form.	
	osequently furnished written se is filed has been furnished.	quence listing do	es not go beyond the disclosure in the
the statement that the Info furnished	ormation recorded in computer	readable form is	identical to the written sequence listing has been
2. Certain claims were fou	nd unsearchable (See Box I).		
3. Unity of invention is lack	king (see Box II).		
4. With regard to the title,			
X the text is approved as su	bmitted by the applicant.		
the text has been establis	shed by this Authority to read a	s foliows:	
5. With regard to the abstract,			
	shed, according to Rule 38.2(b)		y as it appears in Box III. The applicant may, ort, submit comments to this Authority.
6. The figure of the drawings to be publ	lished with the abstract is Figur	re No.	5
as suggested by the appli	•		None of the figures.
X because the applicant fail	ed to suggest a figure.		<u> </u>
because this figure better	characterizes the invention.		

INTERNATIONAL SEARCH REPORT

International Application No PCT/CA 01/01671

			101707 01	701071
A. CLASSII IPC 7	FICATION OF SUBJECT MATTER H04B10/08			
According to	International Patent Classification (IPC) or to both national classifica	tion and iPC		
B. FIELDS				
Minimum do IPC 7	cumentation searched (classification system tollowed by classification ${\tt H04B}$	n symbols)		
Documental	ion searched other than minimum documentation to the extent that st	uch documents are incl	uded in the fields se	earched
	ata base consulted during the international search (name of data bas	e and, where practica	l, search terms used	
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the rele	evant passages		Relevant to claim No.
A	US 6 122 044 A (GAUTHERON OLIVIER 19 September 2000 (2000-09-19) abstract; figure 5	ET AL)		1-19
Α	LEE C C ET AL: "A PRACTICAL IN-S SUPERVISORY TECHNIQUE USING REFLECTED-PULSE DETECTION BASED OF FOR OPTICALLY AMPLIFIED PASSIVE B CATV NETWORKS" IEEE PHOTONICS TECHNOLOGY LETTERS INC. NEW YORK, US, vol. 11, no. 5, May 1999 (1999-05611-613, XP000830429 ISSN: 1041-1135 the whole document	N OTDR RANCHED , IEEE		1-19
X Furth	ner documents are listed in the continuation of box C.	X Patent family	members are listed	in annex.
"A" docume conside "E" earlier de tiling de "L" docume which i citation "O" docume other n	ant defining the general state of the art which is not ered to be of particular relevance locument but published on or after the international ate in which may throw doubts on priority claim(s) or is cited to establish the publication date of another or or other special reason (as specified) entering to an oral disclosure, use, exhibition or nears and the published prior to the international filing date but	cited to understar invention. 'X' document of partic cannot be conside involve an inventify 'Y' document of partic cannot be conside document is com-	d not in conflict with ad the principle or the ular relevance; the cered novel or cannot we step when the doular relevance; the cered to involve an imbined with one or mobination being obvious.	the application but early underlying the claimed invention be considered to current is taken alone claimed invention ventive step when the ore other such docu- us to a person skilled
	April 2002	Date of mailing of 19/04/2	the International sea	arch report
Name and m	nailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl. Fax: (+31-70) 340-3016	Authorized officer	os, S	

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/CA 01/01671

Category *	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Jaieguty *	onation of document, with motocolor, where appropriate, of the relevant passages	nelevant to claim No.
A	EP 0 652 651 A (NEDERLAND PTT) 10 May 1995 (1995-05-10) cited in the application abstract; figure 3	1-19
A	abstract; figure 3 US 5 926 263 A (MAYBACH RICHARD L ET AL) 20 July 1999 (1999-07-20) cited in the application abstract; figure 2	1-19

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INTERNATIONAL SEARCH REPORT

Information on patent family members

international Application No
PCT/CA 01/01671

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
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			DE	69800427 D1	18-01-2001
			DE	69800427 T2	23-08-2001
			EP	0886394 A1	23-12-1998
			JP	11064157 A	05-03-1999
EP 0652651	Α	10-05-1995	NL	9301903 A	01-06-1995
			AT	212489 T	15-02-2002
			DE	69429707 D1	14-03-2002
			ΕP	0652651 A1	10-05-1995
			JP	7198539 A	01-08-1995
			US	5570217 A	29-10-1996
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			AU	4752897 A	05-05-1998
			ΕP	1023587 A1	02-08-2000
			JP	2001502422 T	20-02-2001
			TW	387170 B	11-04-2000
			WO	9815816 A1	16-04-1998

Form PCT/ISA/210 (patent family annex) (July 1992)